

Amendments to the Specification:

Please replace the paragraph on page 25, lines 34-38 with the following amended paragraph:

The first substrate 1001, referring now to Fig. 2C, further defines a first alternate port 1083 and a third connection channel 1083a that is in fluid communication with the first alternate port 1083 and the confined region 1006a of the chamber 1006 for allowing seed cells to perfuse only ~~outside~~ inside the confined region 1006a in the chamber 1006.